INTERNATIONAL SEARCH REPORT

Ł

International application No.

PCT/PTO

PCT/JP03/04482

14 OCT 2004

A. CLASS Int.	IFICATION OF SUBJECT MATTER C1 ⁷ D21H13/50, H01M4/96		
According to	o International Patent Classification (IPC) or to both na	ational classification and IPC	
B. FIELD	S SEARCHED		······································
Int.	ocumentation searched (classification system followed C1 ⁷ D21H11/00-27/42, H01M4/86-	-4/98	
Jitsu Kokai	ion searched other than minimum documentation to the ayo Shinan Koho 1926–1996 Jitsuyo Shinan Koho 1971–2003 ata base consulted during the international search (nam	Toroku Jitsuyo Shinan Koh Jitsuyo Shinan Toroku Koh	o 1994–2003 o 1996–2003
WPIL	, D21H13/50		
	MENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap		Relevant to claim No.
X A	JP 2000-331892 A (Mitsubishi 30 November, 2000 (30.11.00), Full text (Family: none)	Rayon Co., Ltd.),	1-7 8-17
X A	JP 2000-36433 A (Mitsubishi 02 February, 2000 (02.02.00), Full text (Family: none)	Rayon Co., Ltd.),	1-7 8-17
A	JP 9-324390 A (Toray Industr 16 December, 1997 (16.12.97), Par. Nos. [0024] to [0031] (Family: none)		1-17
× Furthe	r documents are listed in the continuation of Box C.	See patent family annex.	
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 		e application but cited to erlying the invention laimed invention cannot be ed to involve an inventive claimed invention cannot be when the document is documents, such skilled in the art	
26 Ji	ctual completion of the international search ane, 2003 (26.06.03)	Date of mailing of the international searce 08 July, 2003 (08.0	
	ailing address of the ISA/ nese Patent Office	Authorized officer	
	SA/210 (second sheet) (July 1998)	Sest Available C	opy

1.

Rec

INTERNATIONAL SEARCH REPORT

ي من ه

ŝ.

٠

International application No. PCT/JP03/04482

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 8-283084 A (New Oji Paper Co., Ltd.), 29 October, 1996 (29.10.96), Par. No. [0005] (Family: none)	
A	JP 7-220735 A (Nippon Carbon Co., Ltd.), 18 August, 1995 (18.08.95), Full text (Family: none)	1-17
	/ISA/210 (continuation of second sheet) (July 1998) Best Available	